



Department of Environmental Quality, Water Bureau

**PESTICIDE APPLICATION
TO SURFACE WATERS OF THE STATE OF MICHIGAN**

Permits are required by Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), and Part 33, Aquatic Nuisance Control, of the NREPA (Part 33).

AQUATIC NUISANCE CONTROL GENERAL PERMIT

**GENERAL PERMIT NO. ANCG08-96 (AMENDMENT 1)
AQUATIC NUISANCE CONTROL ACTIVITIES FOR CANALS AND MARINAS
LOCATED ON THE GREAT LAKES AND CONNECTING WATERS**

Date Effective: July 17, 2008

Date Expires: December 31, 2008

Authority granted by this permit amendment is subject to the following conditions and limitations:

UPDATE THE FOLLOWING PROVISION (SECTION B2):

The application of chemical products to the qualified sites is restricted to the following chemical products, at a rate not to exceed the stated maximum application rate. The actual application rate required to control the aquatic nuisance(s) may be dependent on the target species and site conditions; refer to the product label.

ADD THE FOLLOWING CHEMICALS (SECTION B2):

Category	Active Ingredient	Brand Name : Maximum Application Rate
Submerged Plant Control	endothall	Hydrothol 191 Granular: 162 pounds/acre-foot
Emergent Plant Control	imazapyr	Habitat: 6 pints/acre

ADD THE FOLLOWING TREATMENT INTERVAL (SECTION B3):

Active Ingredient	Minimum Treatment Interval
imazapyr	10 days minimum between treatments

ADD THE FOLLOWING SPECIAL CONDITIONS (SECTION B4)

The use of Hydrothol 191 granular to control submerged macrophytes is restricted to a one-time only treatment after July 15. Treatment shall not exceed a total maximum area of 10 percent of the canal or marina, and shall also not exceed 20 feet of canal frontage per residentially developed parcel, or no more than 30 percent of the near-shore frontage for marinas. Near-shore frontage is defined as areas less than 5 feet deep.

The use of Hydrothol 191 granular herbicide has been approved at a rate in excess of 0.3 parts per million (ppm), and may be toxic to fish under certain conditions. Treatment is suggested only by a certified pesticide applicator. Apply product evenly in narrow margins or stripes to control target plants so fish are not killed. Apply product from the shoreline out so fish are not trapped.

Application of Habitat (imazapyr) can only be made by federal or state agencies, such as Water Management District personnel, municipal officials and the U. S. Army Corps of Engineers, or those applicators who are licensed or certified as aquatic pest control applicators and are authorized by the state or local government. Treatment to other than non-native invasive species is limited to only those plants that have been determined to be a nuisance by a federal or state entity.

The federal product labels for imazapyr and glyphosate require setback distances from potable water intakes. Please refer to the specific product label for setback requirements, restrictions, and/or guidelines prior to application of these products.

All other conditions of the original General Permit remain in effect.

Steven E. Chester, Director
Department of Environmental Quality

By: Richard M Hobria

Date: 7/17/08

Richard M. Hobria, Chief
Aquatic Nuisance Control and Remedial Action Unit
Water Bureau